

Application No. 09/545,283

Applicant(s): Boyle et al.

Title: Methods and Materials Relating to Novel C-type Lectin Receptor-like Polypeptides and Polynucleotides

## **Clean Version of the Drawings**

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BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH MOUSE MACROPHAGE C-TYPE LECTIN

Score = 412 (145.0 bits), Expect = 1.2e-37, P = 1.2e-37

Identities = 85/215 (39%), Positives = 119/215 (55%), Frame = +1

```
SEQ ID NO. 4          5 EEPQDREKGLWVQLKVMAMVVSILLVSVCFVSSVVPNFMYSKTVKRLSKLREYQQY 64
C-Type Lectin Receptor-Like:
    EE Q + KG    QL    AAVSI  LS CF  + +V H++    T   + KL +Y

Macrophage C-Type Lectin:      4 EESQMSKGTGTRHPQLIPCVFAVVSISFLSACFISTCLVTHHYFLRWTRGSVVVKLSDY--- 60

SEQ ID NO. 4          65 HSSLTCVME-----GKDIEDWSCCPTPTWTSFQSSCYFISTGMQSWTKSQKNCVSMGADLVV 120
C-Type Lectin Receptor-Like:
    H+ +TC+ E    G    W+CCP  W +FQS+CYF    Q+W +S++NCS M + LV

Macrophage C-Type Lectin:      61 HTRVTCIREEPQPGATGGTWTCCPVSWRAFQSNCFPLNDNQTHESERNCSGMSSHLVT 120

SEQ ID NO. 4          121 INTTEEHDFIHNLRNSSFYFLGLSHPRGRHWQVDHTPYNENVTFWHSGEPNN-LDER 179
C-Type Lectin Receptor-Like:
    INT E +F+    L +  SYFLGL+    WQWVD TP+N +  FW  GE N+ ++E

Macrophage C-Type Lectin:      121 INTEAEQNFTQLLDKRFYSYFLGLADENVEGQWQWVDKTPFNPHTVFWKGESNDFMEED 180

SEQ ID NO. 4          180 CAIINFRSSQEWGNDIHCHVPHKSICEMKKIYIMKYS 218
C-Type Lectin Receptor-Like:
    C ++        ++W WND  CH  + IC++  I    K  S

Macrophage C-Type Lectin:      181 CVVL-VHVHEKVVNDPCHFEVRRICKLPGITFNWKPS 218
```

FIG. 1

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BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH DENDRITIC CELL IMMUNORECEPTOR

Score = 529 (186.2 bits), Expect = 4.8e-50, P = 4.8e-50

Identities = 93/188 (49%), Positives = 130/188 (69%), Frame = +1

```
SEQ ID NO. 4          26 VVSILLLSVCFVSSVPHFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIED--WSSC 83
C-Type Lectin Receptor-Like:
      ++ LLL++ F ++ V+      + K + L K + H++L CV + +E+ WSSC

Dendritic Cell Immunoreceptor: 51 LIPFLLLAISFFIAFVI----FFQKYSQILLEKKTTELVTLECVKKNMPVEETAWSCC 106

SEQ ID NO. 4          84 PTPWTSFQSSCYFISTGMQSWTKSQKNCVMGADLVVINTTEEHDFIIHNLKRNSSYFLG 143
C-Type Lectin Receptor-Like:
      P W SF S+CYFIST SW S+K+C+ M A L+VINT EE DFI NL+ S+YF+G

Dendritic Cell Immunoreceptor: 107 PKNWKSFSNCFISTESASWQDSEKDCARMEAHLLVINTQEEQDFIFQNLQEESAYFVG 166

SEQ ID NO. 4          144 LSHPRGRRHQWVDHTPYNENVTFWHSGEPNNLDERCAIINFRSS-QEWGWNDIHCHVPH 202
C-Type Lectin Receptor-Like:
      LS P G+RHWQWVD TPYNE+ TFWH EP++ +ERC ++NFR S + WGWND++C P

Dendritic Cell Immunoreceptor: 167 LSDPEGQRHWQWVDQTPYNESSTFWHPREPSDPNERCVLNFKRSPKRWGNDVNCILGPQ 226

SEQ ID NO. 4          203 KSICEMKKIYI 213
C-Type Lectin Receptor-Like:
      +S+CEM KI++

Dendritic Cell Immunoreceptor: 227 RSVCEMMKIHL 237
```

FIG. 2

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BLASTP ALIGNMENT OF C-TYPE LECTIN RECEPTOR-LIKE WITH C-TYPE LECTIN DDB27

Score = 529 (186.2 bits), Expect = 4.8e-50, P = 4.8e-50

Identities = 93/188 (49%), Positives = 130/188 (69%), Frame = +1

SEQ ID NO. 4	26	VVSILLLSVCFTVSSVPHNFMYSKTVKRLSKLREYQQYHSSLTCVMEGKDIED--WSCC	83
C-Type Lectin Receptor-Like:		++ LLL++ F ++ V+ + K + L K + H++L CV + +E+ WSCC	
DDB27:	51	LIFFLLLAISFFIAFVI-----FFQYSQLLEKKTTELVTLECVKKNMPVEETAWSCC	106
SEQ ID NO. 4	84	PTPWTSFQSSCYFISTGMQSWTKSQKNCVSGADLVVINTTEEHDFIIHNLKRNSSYFLG	143
C-Type Lectin Receptor-Like:		P W SF S+CYFIST SW S+K+C+ M A L+VINT EE DFI NL+ S+YF+G	
DDB27:	107	PKNWKSFSSNCYFISTESASWQDSEKDCARMEAHLLVINTQEEQDFIFQNLQEEASAYFVG	166
SEQ ID NO. 4	144	LSHPRGRHWQWVDHTPYNENVTFWHSGEPNLDERCAIINFRSS-QEWGWNDIHCHVPH	202
C-Type Lectin Receptor-Like:		LS P G+RHWQWVD TPYNE+ TFWH EP++ +ERC ++NFR S + WGNND++C P	
DDB27:	167	LSDPEGQRHWQWVDQTPYNESSTFWHPREPSPDPNERCVVLNFRKSPKRWGNVDVNCGLGPQ	226
SEQ ID NO. 4	203	KSICEMKKIYI	213
C-Type Lectin Receptor-Like:		+S+CEM KI++	
DDB27:	227	RSVCEMMKIHL	237

FIG. 3

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BLASTP ALIGNMENT OF C-TYPE (CALCIUM DEPENDENT, CARBOHYDRATE RECOGNITION DOMAIN) LECTIN RECEPTOR-LIKE, SUPERFAMILY MEMBER 6

Score = 448 (157.7 bits), Expect = 1.8e-41, P = 1.8e-41

Identities = 92/209 (44%), Positives = 130/209 (62%), Frame = +1

SEQ ID NO. 4	3	PEEP-QD-REKGLWFLKVMAMVSVILLVSVCTVSSVPHFMYSKTVKRLSKLRE	60
C-Type Lectin Receptor-Like:		P E+P +D R+ G L + S+ ++ +LLL++ F V+ ++ YS+ ++ +	
Mouse C-Type:	29	PREKPIRDLRKPGSP--SLLLTSLMLL-LLLLAITFLVAFIIFYQ-KYSQLLLEKKAAKN	84
SEQ ID NO. 4	61	YQYHSSSLTCVMEGKDIED--WSCCPTPMTSFQSSCYFIST--GMQSWTKSQKNCVMDGA	116
C-Type Lectin Receptor-Like:		H+ L C +ED WSCCP W F S CY + T SW KS++NCS MGA	
Mouse C-Type:	85	IM--HNELNCTKSVSPMEDKVMSCCPKDMRLFGSHCYLVPTVSSASWNKSEENC SRMGA	142
SEQ ID NO. 4	117	DLVWINTTEHDFIIHNLKRNSSYFLGLSHPRGRRHQWVDHTPYNENVTFWHSGEPNL	176
C-Type Lectin Receptor-Like:		LVVI + EE DFI L +++YF+GL G R WQWVD TPY E++TFWH+GEP++	
Mouse C-Type:	143	HLVVIQSQEEQDFITGILDTHAAYFIGL-WDTGHRQWQWVDQTPYEESITFWHNGEPSSG	201
SEQ ID NO. 4	177	DERCAIINFRSSQEWGWNDIHCHVPHKSICEMKKI	211
C-Type Lectin Receptor-Like:		+E+CA I +R WGWNDI C + KS+C+MKKI	
Mouse C-Type:	202	NEKCATIIRWKTGWGWNDISCSLKQKSVCMKKI	236

FIG. 4